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COTTON GIN EQUIPMENT 1967



UNITED STATES DEPARTMENT OF AGRICULTURE
Consumer and Marketing Service Cotton Division
Memphis, Tennessee

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UNITED STATES DEPARTMENT OF AGRICULTURE
CONSUMER AND MARKETING SERVICE
MARKET NEWS SECTION - COTTON DIVISION
P.O. BOX 17723 MEMPHIS, TENNESSEE 38117

COTTON GIN EQUIPMENT - UNITED STATES 1967

SUMMARY

The trend toward fewer gin batteries continues in the cotton ginning industry of the United States, according to the Department of Agriculture, Consumer and Marketing Service. Further improvements in ginning technology and more facilities for cleaning and drying have been associated to a large degree with the major transition to mechanical harvesting of the crop. Changes in marketing and processing of cotton have also influenced the development and installation of ginning and related equipment. The trend toward fewer gin batteries is due largely to the high cost of both original and replacement equipment, particularly for the modern high-capacity gins. This report presents in tabular form specified types of equipment and machinery in cotton gins in the United States at the beginning of the 1967-68 cotton season.

Gin equipment data are presented in this report in five groups of three tables each. The first group of three tables covers equipment by states and the United States. The other four groups of tables present ginning data by classing office territories and states in each of the four geographical areas of the Cotton Belt.

The number of active gin batteries decreased nearly 13 percent in the last five years. There were about 4,700 gin batteries in July 1967 compared with 5,400 in July 1962. The largest decrease in gin batteries, by geographic area, occurred in the southeastern area of the belt with 263 fewer batteries in 1967 than in 1962. The smallest decrease was in the western area where there were 95 fewer batteries.

The proportion of active gin batteries in the United States equipped with lint cleaners increased from 93 percent in 1962 to 98 percent in 1967. There was also an appreciable increase in the number of gins having multiple stages of lint cleaning. Approximately three-fourths of all gins with lint cleaners have two or more stages of lint cleaning against two-thirds in 1962.

Seed cotton cleaning equipment above the distributor has increased substantially since 1962. The most significant increase has been in the installation of stick and green leaf machines. The proportion of all gin batteries having this cleaning equipment increased from 25 percent in 1962 to 49 percent in 1967. The installation of other seed cotton cleaning equipment such as magnets and green boll traps also increased during this period. The proportion of gins equipped with bur extractors decreased slightly.

Seed cotton drying equipment is now installed in 99 percent of all gin batteries in the United States, as compared with 96 percent in 1962. Over two-thirds of the gins with driers now have two or more stages of drying compared with a little over one-half in 1962.

Number of cotton gins and gin batteries, distribution of batteries by volume ginned, and ginning capacity, by states and United States, July 1967 Table 1.

State	Toun	Total	Batt	tteries			Batteries	ies by	by volume	ginned			Ginning by b	Ginning capacity by batteries	Lty	
and		not-				200	501	1,501	2,501	5,001	10,001		Bales	per hour	ır	
United States	Gins	teries	Single	Double	Triple	or S	1.500	2.500		10.000	and	5 or	6-10	11-15	16-20 2	21 and
	No.	No.	No.	No.	No.	No.	No.	No.		No.	No.	No.	No.	No.	No.	No.
Virginia	11	11	11	ı	,	6	2	1				6	2	1.	,	
North Carolina	184	185	183	П	1	108	99	10	1		1	153	30	2	1	1
South Carolina	233	240	226	7	1	51	123	72	11	7	,	169	54	16	1	
Georgia	265	271	259	9	1	51	144	2	12	1	1.	118	135	17	1	,
Florida	S	D	S	1	,	П	m	1	Н		1	1	m	1	1	1
Alabama	344	349	345	2	1	49	173	94	32	Н	1	168	159	19	m	
Mississippi	585	604	266	19	i	35	171	171	180	40	Н	266	249	. 61	19	0
Illinois & Kentucky	4	4	4	,		m	7	1	1	,		0	1	1	,	1
Tennessee	247	251	243	4	,	16	142	74	17	2	1	134	106	11	1	
Missouri	126	127	125	7		28	53	38	ω	1	. 1	63	27	7		
Arkansas	472	488	456	16		52	232	140	19	m	1	188	268	28	'n	1
Louisiana	198	201	195	m		14	19	21	62	9	1	71	108	16	D	1
Oklahoma	144	148	141	2	1	17	81	56	19	2		71	89	1	2	
Texas	1,222	1,347	1,117	86	19 1/	49	386	386	459	71	11	336	863	118	24	m
New Mexico	29	99	99	m		m	11	24	26	2	1	13	47	9	,	
Arizona	137	138	136	1		2	13	23	29	40	П	16	84	33	4	1
California 2/	245	295	202	33	7 1/	12	17	52	131	1	o	7	157	104	23	4
			-													1
United States	4,481	4,481 4,730 4,277	4,277	184	/1 12	515	1,679	1,219	1,049	248	50	1,789	2,391	446	82	19

Includes one gin with four batteries in Texas and California and one gin with five batteries in California. Includes one gin in Nevada.

Cotton gin batteries and number of batteries by gin stands, automatic bulk feed control and by drying and lint cleaning stages, by states and United States, July 1967 Table 2.

The state of the s	+ OE	l l	4+00	1 2	aodmiia				Number	of	in bat	terie	gin batteries having	50			11
State	gin		of gin	S 5	S		Automatic	Seed	Stages	of	drying		Lint	S	Stages of lint cleaning	ofuning	
United States	teries	2 or less	М	4	22	6 or	control	driers	П	2	9 n	4 or more	ers	1	2		4 or more
THE RESIDENCE OF THE PARTY OF T	No.	No.	No.	No.	No	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
Virginia	11	9	4	П	1	,1	1	ט	4	П	1	9	4	. ~	2	-	1
North Carolina	185	39	84	62	1	1	12	175	110	62	m	1	161	06	29	12	ı
South Carolina	240	44	96	93	7	1	43	234	120	109	D	1	226	19	123	35	\vdash
Georgia	271	51	99	138	15	٦	20	267	110	140	17	1	261	86	144	31	ı
Florida	5	1	Н	m	1	1	Suf 1	D	m	2	1	1	S	Н	m	7	1
Alabama	349	16	87	169	17	1	101	339	152	183	4	1	339	99	208	49	Н
Mississippi	604	84	174	310	33	m	257	262	211	373	11	1	591	157	373	19	1
Illinois & Kentucky	4	1	4	1	1	1	1	4	1	m	1		4	m	7	1	1
Tennessee	251	32	116	96	7	ı	86	246	62	146	38	1	250	28	157	62	m
Missouri	127	17	41	63	D	1	73	127	12	110	D	h	128	15	72	41	1
Arkansas	488	.49	162	211	43	Φ	191	483	128	332	23	1	483	112	292	74	D
Louisiana	201	20	37	109	35	1	75	201	39	149	12	Н	201	30	123	45	m
Oklahoma	148	18	25	F	26	7	4	148	79	99	m	1	146	63	81	2	ť
Texas	1,347	84	153	526	531	23	454	1,341	445	783	105	8	1,328	378	790	155	Ŋ
	1	1			(ł	{	L	((L	1		(
New Mexico	99	C)	11	56	19	S	27	69	56	32	0	-	69	-	5	BT	ı
Arizona	138	4	17	16	78	23	109	138	45	F	15	П	138	11	82	34	Φ
California 1/	295	D	23	43	198	26	293	295	13	218	63	П	295	m	197	06	Ŋ
		T. I															1
United States	4,730	220	1,101	1,943	1,014	122	1,817	4,668	1,560	2,786	310	12	4,625	1,119	2,750	725	31
1/ Includes one gin	gin in Nevada.	ada.															

Cotton gin batteries with specified kinds of equipment, by states and United States, July 1967 Table 3.

						Number	er of gin	batteries	having				
THE REAL PROPERTY.	Total		Seed cot	cotton cle	cleaning eq	equipment				Other eq	equipment		
State and United States	gin bat- teries	Bur ex- tractor	Stick & green leaf machine	Combi- nation 1/	Magnet	Green boll trap	Other 2/	Seed cotton cleaner under distributor	Over flow by-	Mechan- ical sampler	Mois- ture meter	Moisture restor- ation system	System to add chem- ical to seed cotton
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No	No.	No.	No.
Virginia	11		ო	- 080	2	N	1	7	Ŋ	1	-	1	2 - 500 0
North Carolina	185	69	09	D	. 09	80	1	147	137		2	1	1
South Carolina	240	71	06	00	28	129	205	21	157	1	109		
Georgia	271	106	169	4	132	186	500	15	116	ı	23	1.	9
Florida	D	1	ന	1	П	ന	S	2	4	.1	Т	1	Н
Alabama	349	106	198	30	119	159	300	49	158	1	47	D	09
Mississippi	604	174	285	34	305	255	555	45	452	2	126	11	14
Illinois & Kentucky	4	2	- 100	1		2	4	m			1	,	-
Tennessee	251	116	101	ı	125	99	231	33	160		26	28	72
Missouri	127	64	55	12	81	47	127	41	93	1	62	27	16
Arkansas	488	279	196	29	277	216	412	245	338	- 1	188	68	35
Louisiana	201	. 95	6	25	70	66	118	109	125	П	44	4	25
MINISTER STORY													
Oklahoma	148	140	70	12	8	113	148	86	107	7	D.	. 80	137
Texas	1,347	1,209	786	135	373	1,217	1,125	254	922	06	261	316	1,003
New Mexico	99	36	37	4	56	54	19	Ŋ	20	2	36	53	7
Arizona	138	06	28	19	37	125	40	62	107	15	67	56	4
California 3/	295	152	111	9	127	139	296	17	259	82	226	48	16
The state of the s													
United States	4,730	2,710	2,319	323	1,801	2,886	3,836	1,237	3,190	195	1,256	557	1,396
2/ Combination bur extractor and stick and green leaf 2/ Includes all other seed cotton cleaning equipment 3/ Includes one gin in Nevada.	xtractor r seed c in Nevad	c and sti	lck and g	reen le quipmen	such	nine. as impact	and inc	impact and incline cleaners, after cleaners, etc.	s, afte	r cleaner	e tc.		

Includes all other seed cotton cleaning equipment such as impact and incline cleaners, after cleaners, etc. Combination bur extractor and stick and green lear machine. Includes one gin in Nevada.

Table 4. Number of cotton gins and gin batteries, distribution of batteries by volume ginned, and ginning capacity, by classing office and Southeastern Area, July 1967

	THE REAL PROPERTY.					The second second	The second		1000			-	HILL STREET	1	Jacob Committee	The state of the s
Classing Office	Total	1 er	Ba	Batterles			Batteries	ies by	by volume	ginned	Q		Ginni	nning capaci by batteries	Ginning capacity by batteries	
and		Ro+-				200	501	1,501	2,501	5,001	100,01		Bales	s per	hour	
Southeastern Area	Gins te	70	Single	Double	Triple	or	1,500	2,500	5,000 1	10,000	and	5 or	6-10 1	11-15	16-20	21 and over
and a second	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
Raleigh Classing Office																
North Carolina	184	185	183	Н	•	108	99	10	Н	1	1	153	30	2	1	1
Virginia	11	11	11	1	1	6	2	1	1	1	1	6	2			-
Classing Office Total	195	196	194	Н	1	117	68	10	П	1	1	162	32	2	1	
Columbia Classing Office																
South Carolina	233	240	226	7	-	51	123	54	11	П	1	169	54	16	Н	1
Augusta Classing Office																
Georgia	76	96	96	Н	1	19	52	21	9	1	1	54	36	D	1	,
Atlanta Classing Office																
Georgia	168	173	163	Ŋ	1	32	95	43	9	1	1	94	96	12	Н	í
Florida	П	Н	Н	1	1	Н	1	,	1	1	1	H	1.	1	•	
Classing Office Total	169	174	164	ın		33	95	43	9	1	1	65	96	12	Н	
Birmingham Classing Office Alabama	214	218	216	8 4		35	112	52	15	н	1	97	105	13	m	
Montgomery Classing Office																
Alabama	130	131	129	1	1	14	01	36	17	1 08		77	54	9 -	1	1
FIOFICE	4	4	4			1	n		-1	1		1	ກ	-	1	
Classing Office Total	134	135	133	Н	1	14	64	36	18	.1	81	71	22	7	1	ı
Area	1,042	1,061	1,029	16	-	269	211	222	22	2	-	618	383	52	D	1
																-

Cotton gin batteries and number of batteries by gin stands, automatic bulk feed control and by drying and lint cleaning stages, by classing office and Southeastern Area, July 1967 Table 5.

	E	Bat	Rottenies	by	nimber	2		Nun	Number of	1	batt	erles	gin batteries having	50			11
Classing Office and	gin	2	of gin	star	ds		Automatic	Seed	Stages	es of	drying,		Lint	Sta	Stages nt cle	iges of	
Southeastern Area	bat- teries	2 or less	m	4	5	6 or more	control	driers	1	2	3 1	4 or more	ers	1	2	3 1	4 or more
00 may 20 00 00 00 00 00 00 00 00 00 00 00 00	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
North Carolina	185	39	ω	62	1	•	12	175	110	62	m	1	161	96	29	12	1
Virginia Classing Office Total	11	0 12	4 88	1 63	()	1 1	12	180	114	1 63	ı m	1 1	165	3 6	61	12	1
Columbia Classing Office South Carolina	240	4	96	63	_	. 1	ξ	234	120	109	טו		226	. 67	123	35	П
Augusta Classing Office	80	α.	90	[ď		00	9	ď	[2]	Ç	,	46	42	20	=======================================	
Weolgia	06	2	24	10)			3	3)						1	
Georgia Classing UIIIce	173	33	9	87	12	1	30	172	72	89	11	1	167	62	82	20	1
Florida	П	. 98	1	٦	1	1		Н	Н	1	1	1	H	1	1	'	1
Classing Office Total	174	33	9	88	12	Н	30	173	73	89	H	i	168	63	82	20	1
Birmingham Classing Office Alabama	218	9	48	118	12	7	70	212	48	126	7		211	25	133	52	Н
Montgomery Classing Office Alabama	131	36	39	21	מו	1	31	127	68	57	2	,	128	41	75	12	10
Florida	4	Н	Н	N	1	1	1	4	N	N	1	1	4		m	1	1
Classing Office Total	135	37	9	23	D	1	32	131	2	59	2		132	41	78	13	
Control of the			1 8	SEO E.				100 100	100	14	-			No. of Lot		3	
Area	1,061	217	338	466	39	1	207	1,025	499	497	59	-	966	312	539	143	2

Cotton gin batteries with specified kinds of equipment, by classing office and Southeastern Area, July 1967 Table 6.

						Number of	1	gin batteries having	havin	81			
	Total	See	Seed cotton	cleaning	1	equipment	\$			ther	equipment	ıt	
Classing Uffice and Southeastern Area	gin bat- teries	Bur ex- tractor	Stick & green leaf machine	0.0	60		Other 2/	Seed cotton cleaner under distributor	Over flow by-		Mois- ture meter	Moisture restor- ation system	System to add chem- ical to seed cotton
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	No.	No.	No.	No.	No.	No.	No.	No.		No.	No.	No.	No.
North Carolina	185	69	9	D	09	80	1	147	137	ı	N	Н	
Virginia	11	,	m	1	0	2	1	7	n	1	•	1	1
Classing Office Total	196	69	63	ro	9	82	1	154	142	ı	N		ı
Columbia Classing Office South Carolina	240	71	06	ω	28	129	205	21	157	1	109	, 1	,
Augusta Classing Office Georgia	86	53	22	N	51	74	71	r	41	1	Φ		
Atlanta Classing Office Georgia Florida	173	ee 1	110	N I	8 1	112	138	41	75	1 1	15	1 1	ψ 1
Classing Office Total	174	83	110	0	81	112	139	14	76	ı	15	ı	9
Birmingham Classing Office Alabama	218	69	142	15	0,	82	192	O	88	Н	27	വ	46
Montgomery Classing Office Alabama Florida	131	37	3 29	15	09	74	108	40	9 3	1 1	20 1	1 1	4 H
Classing Office Total	135	38	010	15	61	77	112	45	72	ŧ	21	t	13
Area	1,061	353	523	47	372	559	719	271	577	1	182	9	67
1/ Combinotion him outwood	and attach	the same	7 1	4									

1/ Combination bur extractor and stick and green leaf machine.
2/ Includes all other seed cotton cleaning equipment such as im

Includes all other seed cotton cleaning equipment such as impact and incline cleaners, after cleaners, etc.

Table 7. Number of cotton gins and gin batteries, distribution of batteries by volume ginned, and ginning capacity, by classing office and South Central Area, July 1967

		E + C H											9 8			
Classing Office.	ınu	number	Ba	Batteries			Batter	ies by	volum	Batteries by volume ginned	rg		by	utiliting capacity by batteries	ries	
and		+ 0				200	501	1,501	2,501	5,001	100,01		Bales	es per	hour	
South Central Area	Gins	10	Single	Double	Triple	or	1,500	2,500	5,000 10,000	10,000	and	5 or	01-9	11-15	16-20	21 and
Greenwood Classing Office	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
	346	360	332	14	1	6	67	104	144	35	H	95	187	21	18	6
Jackson Classing Office																
Mississippi Toutstana	108	109	107		1 1	24	00 K	52	18	ന 1		78	56	4 1	- I	1
Classing Office Total	111	112	110	Н	ı	24	45	25	18	ო	ı	79	28	4		ī
Memphis Classing Office																
Tennessee	247	251	243	4	1	16	142	74	17	2	ı	134	106	11	١	1
Illinois & Kentucky	4	4	4	1	1	m	Н	1	1	1	١	m	٦	ı	1	1
Arkansas	37	38	36	1	ı	ന	18	14	m	1	ī	12	56	1	١	1
Mississippi	131	135	127	4	ı	2	65	84	18	N	•	93	36	9	•	8 -
Classing Office Total	419	458	410	0	1	24	226	136	38	4	ï	242	169	17	ŧ	i
Hayti Classing Office Missouri	126	127	125	1	1	28	23	38	ω	'	1	63	57	7	1	
Blytheville Classing Office Arkansas	137	145	129	Φ	1	18	79	34	14	•	1	43	87	12	N	н
Little Rock Classing Office Arkansas	298	305	291	7	1	31	135	92	4	m	ı	133	155	16	rH	
Winnsboro Classing Office Louislana	06	95	88	N	1.1	N	o	59	45	9	г	ω	65	13	ប	1
Alexandria Classing Office Louisiana	105	106	104	٦		12	49	28	17	•		62	41	ო	· r	
Area	1,632	1,675	1,589	43	ı	148	099	486	328	51	2	725	789	123	27	11

Cotton gin batteries and number of batteries by gin stands, automatic bulk feed control and by drying and lint cleaning stages, by classing office and South Central Area, July 1967 Table 8.

gin bat- teries	200	of gin s		tands		Automatic	Seed	Sts	Stages of	grafing	ng	Lint	r	Stages of	8 of	
		f gin		ds	Ø.	intomatic	Seed	Sty			ng	Lint	•)		
	au c							}			_		_	int cl	lint cleaning	
1	less.	m	4	5	6 or more	control	cotton	-	2	e	4 or	clean-	1	2	ო	4 or
	No	No.	No	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
360	47	102	182	27	2	223	358	74	278	9	•	357	49	268	40	1
109	14	31	62	α ι	1 1	12	103	9 e	94 I	H 1	1 1	100	29	36	ı n	1 1
112	14	32	64	N	1	12	106	71	34	٦	1	103	. 62	36	Ŋ	•
251	32	116	96	7	ı	86	246	62	146	38	1	250	28	157	62	ന
4	i	4	1	1	1	٦	4	٦	m	1	1	4	ო	Н	1	•
38	ω	m	27	1	ı	24	38	13	24	H	ı	38	17	18	m	1
135	23	41	99	4	-1	22	134	69	19	4	1	134	49	69	16	1
428	63	164	189	11	Н	133	422	145	234	43	1	426	6	245	81	m
127	17	41	63	Ŋ	Н	73	127	12	110	Ŋ	ı	128	15	72	14	'
													}			
145	19	4	09	50	~	67	145	17	122	9	8	145	19	110	13	m
305	37	115	124	23	9	100	300	86	186	16	ı	300	76	164	58	N
o	α	α	ŗ	ر ر		r C	8	α	77	α	F	C	C	G	Č	
1)	9	1	2		3	7)	2	0	4	76	7	3	63	1
106	12	18	26	50	1	22	106	28	74	4	ı	106	24	63	16	m
1,675	217	534	789	123	12	683	1,656	453 1	,113	89	-	1,657	345	1,018	283	11
	251 4 38 135 428 127 145 106 106	32 - 8 8 23 53 712 12 8 8	32 8 8 8 8 8 8 8 8	32 116 96 - 4 - 6 8 3 27 23 41 66 63 164 189 17 41 63 19 44 60 37 115 124 8 18 51 12 18 56 217 534 789	32 116 96 - 4 8 3 27 23 41 66 63 164 189 17 41 63 19 44 60 37 115 124 8 18 51 8 18 51 12 18 56 217 534 789 1	32 116 96 7 - 4 8 3 27 - 23 41 66 4 63 164 189 11 17 41 63 5 19 44 60 20 37 115 124 23 8 18 51 15 12 18 56 20 217 534 789 123	32 116 96 7 - 8 3 27 - 23 41 66 4 1 63 164 189 111 1 17 41 63 5 1 19 44 60 20 2 37 115 124 23 6 12 18 56 20 - 217 534 789 123 12	32 116 96 7 - 86 86 93 27 - 24 1 22 24 1 22 24 1 22 24 1 22 24 1 22 24 24	32 116 96 7 - 86 246 62 - 4 - - - 1 4 1 8 3 27 - - 24 38 13 23 41 66 4 1 22 134 69 63 164 189 11 1 133 422 145 17 41 63 5 1 73 127 12 19 44 60 20 2 67 145 17 37 115 124 23 6 100 300 98 12 18 51 15 - 53 92 8 12 18 56 20 - 22 106 28 217 534 789 123 12 683 1,656 453	32 116 96 7 - 86 246 62 - 4 - - - 1 4 1 8 3 27 - - 24 38 13 23 41 66 4 1 22 134 69 63 11 1 133 422 145 17 17 41 63 5 1 73 127 12 19 44 60 20 2 67 145 17 19 44 60 20 2 67 145 17 19 44 60 20 2 67 145 17 11 15 15 2 100 98 8 12 18 51 15 - 52 106 28 12 534 789 123 12 683<	32 116 96 7 - 86 246 62 146 - 4 - - - 1 4 1 3 8 3 27 - - 24 38 13 24 23 41 66 4 1 22 134 69 61 63 11 1 133 422 145 234 17 41 63 5 1 73 127 12 110 19 44 60 20 2 67 145 17 122 19 44 60 20 2 67 145 17 122 18 18 51 15 - 53 92 8 76 12 18 56 20 - 22 106 28 74 21 53 78 78 75<	32 116 96 7 - 86 246 62 146 38 - - - - 4 1 3 - - - - - 4 1 3 - <t< td=""><td>32 116 96 7 - 86 246 62 146 38 - - - - - 4 1 3 - <t< td=""><td>32 116 96 7 - 86 246 62 146 38 - 2 4 3 - - 4 3 - - 4 - 3 - - 4 - 3 - - 4 - - 4 - - 4 - - 4 - - 4 - - 4 - - - 4 - 38 17 -</td><td>32 116 96 7 - 86 246 62 146 38 - 2 4 3 - 4 3 - 4 3 - - 4 3 - - 4 3 - - 4 3 - - 4 - 3 - - 4 - 3 - - 4 - 3 - - 4 - 38 13 - - 4 - 38 17 - 38 17 - 38 17 - 38 17 - 38 17 - 134 49 - 134 49 - 134 49 - 134 49 - 134 49 - 145 17 110 - 145 11 11 134 134 11 134 134 134 - 144 - 145</td></t<><td>32 116 96 7 - 86 246 62 146 38 - 250 28 157 8 3 2 - - 4 1 3 - - 4 3 17 18 3 17 18 3 17 18 17 18 17 18 17 18 17 18 18 19</td></td></t<>	32 116 96 7 - 86 246 62 146 38 - - - - - 4 1 3 - <t< td=""><td>32 116 96 7 - 86 246 62 146 38 - 2 4 3 - - 4 3 - - 4 - 3 - - 4 - 3 - - 4 - - 4 - - 4 - - 4 - - 4 - - 4 - - - 4 - 38 17 -</td><td>32 116 96 7 - 86 246 62 146 38 - 2 4 3 - 4 3 - 4 3 - - 4 3 - - 4 3 - - 4 3 - - 4 - 3 - - 4 - 3 - - 4 - 3 - - 4 - 38 13 - - 4 - 38 17 - 38 17 - 38 17 - 38 17 - 38 17 - 134 49 - 134 49 - 134 49 - 134 49 - 134 49 - 145 17 110 - 145 11 11 134 134 11 134 134 134 - 144 - 145</td></t<> <td>32 116 96 7 - 86 246 62 146 38 - 250 28 157 8 3 2 - - 4 1 3 - - 4 3 17 18 3 17 18 3 17 18 17 18 17 18 17 18 17 18 18 19</td>	32 116 96 7 - 86 246 62 146 38 - 2 4 3 - - 4 3 - - 4 - 3 - - 4 - 3 - - 4 - - 4 - - 4 - - 4 - - 4 - - 4 - - - 4 - 38 17 -	32 116 96 7 - 86 246 62 146 38 - 2 4 3 - 4 3 - 4 3 - - 4 3 - - 4 3 - - 4 3 - - 4 - 3 - - 4 - 3 - - 4 - 3 - - 4 - 38 13 - - 4 - 38 17 - 38 17 - 38 17 - 38 17 - 38 17 - 134 49 - 134 49 - 134 49 - 134 49 - 134 49 - 145 17 110 - 145 11 11 134 134 11 134 134 134 - 144 - 145	32 116 96 7 - 86 246 62 146 38 - 250 28 157 8 3 2 - - 4 1 3 - - 4 3 17 18 3 17 18 3 17 18 17 18 17 18 17 18 17 18 18 19

Cotton gin batteries with specified kinds of equipment, by classing office and South Central Area, July 1967 Table 9.

						Number	of	gin batteries having	s havin				
	Total	Seed	ed cotton	cleaning		equipment				Other eq	equipment	t	
Classing Office and South Central Area		Bur ex- tractor	St	Combi- nation	gnet	Green boll trap	Other 2/	Seed cotton cleaner under	Over flow by-	Mechan- lcal sampler	Mois- ture meter	Moisture restor- ation system	System to add chem- ical to seed cotton
	No.	No.	No.	No.	No.	No.	No.	No.	No	No.	No.	1	No.
Greenwood Classing Ullice Mississippi	360	140	191	34	238	191	351	34	303	N	111	Ŋ	10
Jackson Classing Office	5	C	ر ر		C	24	7	~	55	1	10	1	ı
Mississippi Louisiana) E	7) 1	1) 1		. 0		8	1	ı	1	1
Classing Office Total	112	13	35	1	50	24	73	2	55	1	10	1	1
Memphis Classing Office	i i	r	ŗ		, C	V V	רככ	ņ	091		57	88	72
Tennessee	707 7	011	101	1 1	Tec	2 04	402) m)	1) 1	1	1
Antoness a memorary	- 88	23	16	1	25	28	38	m	30	1	9	Ŋ	IJ
Mississippi	135	21	29	1	47	40	133	0	94	ı	Ŋ	9	4
Classing Office Total	428	162	176	H	197	136	406	48	284	1	67	36	81
Hayti Classing Office Missouri	127	64	S) S)	12	81	47	127	41	66		62	27	16
Blytheville Classing Office Arkansas	145	88	20	12	68	40	81	48	66	t	16	44	1
Little Rock Classing Office Arkansas	305	168	130	13	163	148	293	194	500	Н	16	16	30
Winnsboro Classing Office Louisiana	85	48	62	14	41	24	06	37	76	Ч	33	4	23
Alexandria Classing Office Louisiana	106	47	35	11	58	39	56	72	49		11	'	2
Area	1,675	730	734	100	858	629	1,447	476	1,168	4	476	138	162

Includes all other seed cotton cleaning equipment such as impact and incline cleaners, after cleaners, etc. Combination bur extractor and stick and green leaf machine.

Number of cotton gins and gin batteries, distribution of batteries by volume ginned, and ginning capacity, by classing office and SouthWestern Area, July 1967 Table 10.

Southwestern Area Gins Eat- Single Double	Total	Batteries	10		Batteries	ies by	volume	e ginned	Q		Ginn	nning capaci by batteries	Ginning capacity by batteries	
No. No. No. No.	Batt			500	501	1,501	2,501	5,001	10,001		Bal	Bales per hour	hour	
No.	teries		Triple	or less 1	500	2,500	5,000	10,000	and	5 or less	01-9	11-15	16-20	21 and over
109 113 106 74 78 71 74 78 71 71 72 71 72 71 72 72	No.	No.	No.	No	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
74	113			0	59	21	19	IJ	1	43	19	7	2	1
Office 178 191 177 Office 178 179 177 Total 213 214 212 Slassing 215 221 209 Ing Office 113 118 108 Goffice 75 94 57 Goffice 137 141 134 Total 386 462 315 6 6 6 6 Fotal 386 468 321	78		Н	2	33	26	10	2	S	22	48	9	2	1
Office 178 179 177 Total 213 214 212 Office 215 221 209 Ling Office 113 118 108 Ing Office 75 94 57 Interface 137 141 134 Total 386 462 315 6 6 6 6 6 Total 386 468 321	191		2	11	95	47	29	7	Ŋ	65	109	13	4	1
178 179 177 35 35 35 35 35 35 35														
g Office 113 118 108 115 221 209 116 75 94 57 117 141 134 118 380 462 315 6 6 6 6 118 386 468 321	179 1		1	0	53	62	23	2	1	76	6	9	٠	•
g Office 113 118 108 116 75 94 57 137 141 134 1380 462 315 6 6 6 136 468 321	50 216			0 [75	0 19	, in	1 0	1 1	27 70	701	ı (c	• 1	1 (
g Office 113 118 108 1ce 75 94 57 137 141 134 137 141 134 6 6 6 6 6 6 6 6				ì)	5	}	1		2)		
113 118 108 75 94 57 137 141 134 380 462 315 6 6 6 6 6 6	221		,	58	107	51	<u>г</u>	4	1	141	72	_	Н	
75 94 57 137 141 134 380 462 315 6 6 6 386 468 321	113 118		1	12	41	33	30	8	1	18	83	13	4	i
75 94 57 137 141 134 380 462 315 6 6 6 6 6 6														
ce 380 462 315 6 6 6 6 6 6 8 321	94		Н	7	15	27	47	ო	ŧ	9	80	ω	ı	•
380 462 315 6 6 6 386 468 321	141		н	Н	56	35	45	28	9	32	92	15	N	1
380 462 315 6 6 6 386 468 321														
386 468 321	462		16 1/	10	101	132	192	12	1	19	362	63	15	ന
386 468 321			1	1	m	m	1	1	ŧ	ı	9	. 1	ı	1
	468		16 1/	10	104	135	192	53	1	19	368	63	15	m
Area 1,322 1,447 1,218 84	1,447 1,		20 1/	81	460	395	427	73	11	382	806	125	26	m

1/ Includes one gin in Lubbock territory with four batteries.

Table 11. Cotton gin batteries and number of batteries by gin stands, automatic bulk feed control and by drying and lint cleaning stages, by classing office and SouthWestern Area, July 1967

		4 or	No.		í		ı	ı	1		ı	1	1	1	4 1	4	4
	of	ε 4 E	No.		2	9	Φ	9	•	9	ω	17	23	Ŋ	- 67	67	138
	Stages of	2	No.		74	43	117	93	7	100	69	82	61	99	346	351	851
	Z Li		S.		36	53	92	78	27	105	134	16	9	88	4 r	45	439
s having	Lint	clean-	No		112	78	190	1771	8	211	211	118	96	141	461	467	1,432
batteries		or or	No.		1	ı	1	1	٠	1	H	-	1	Н	4 1	4	
	drying	8 4 %	No.		2	2	4	10	г	11	o	12	11	9	74 .	4	100
of gin	es of	N	No.		26	36	92	91	10	101	115	88	78	75	281	283	832
Number	Stages	7	No.		52	40	95	76	24	100	693	17	D	29	130	134	503
NU	Seed	cotton driers	N.	·	113	78	191	17.1	35	212	218	118	94	141	462	468	1,442
	Automatic	control	NO NO	·	38	22	09	[1 0	27	36	49	4	47	175	175	471
			more	·	2	ı	2	-	4 1	Н	ч	m	m	9	24	24	04
	stands	2		NO	24	28	25	66	20	35	72	61	29	S	197	199	533
		4	- 12	· NO	27	38	92	a	20	118	103	32	23	28	164	167	596
	batteries of gin	m	1	· ON	17	7	24	a	ω ω	36	22	13	_	19	55	26	171
	pal	2 or	less	No.	13	D	18	C	L 10	24	23	0	N	m	22	22	101
1	gin	Q3		No	113	78	191	,	35	214	221	118	46	141	462	468	1,447
	Classing Office	and Southwestern Area		0 C S & & ***	Altus Classing Office	Texas	Classing Office Total	Dallas Classing Office	Texas Oklahoma	Classing Office Total	Austin Classing Office Texas	Corpus Christi Classing Office Texas	Harlingen Classing Office Texas	Abilene Classing Office Texas	Lubbock Classing Office Texas New Mexico	Classing Office Total	Area

Cotton gin batteries with specified kinds of equipment, by classing office and Southwestern Area, July 1967 Table 12.

						Number	of	gin batteries	s having	ng			
opposing Office	Total	Se	Seed cotton	on cleaning	_	equipment				Other	equipment	nt	
and	gin	Bur	Stick &	Combi-		Green		Seed cotton	Over	Mechan-	Mois-	Moisture	System to
rn Area	bat. teries	ex- tractor	green leaf machine	nation 1/	Magnet		other 2/	cleaner under distributor	flow by-	ical	ture	restor- ation system	add chem- ical to seed cotton
Altine Classing Office	No	No	No	No.	No	No.	No	No.	No	No.	No	İ	No.
Oklahoma	113	109	49	10	Φ	94	113	95	87	П	IJ	1	110
Texas	78	F	20	16	10	72	78	26	75	ı	Ŋ	1	74
Classing Office Total	191	186	66	56	18	166	191	151	162	П	10		184
Dallas Classing Office													
	179	169	118	36	34	170	175	16	126	1	9	1	110
Oklahoma	32	31	21	N	1	10	32	m	20	ı	ı	ı	27
Classing Office Total	214	200	139	38	34	189	210	19	146	ı	9		137
Austin Classing Office Texas	221	205	104	Φ	53	181	102	36	125		23	4	119
Corpus Christi Classing Office Texas	118	86	78	15	43	95	118	10	95	H	33	7	71
Harlingen Classing Office Texas	94	57	99	34	42	72		14	18	1	32	14	69
Abilene Classing Office Texas	141	140	80	H	24	134	138	ហ	86	15	18	12	129
Inbbock Classing Office	462	448	248	20	151	449	462	116	335	73	108	259	427
New Mexico	9	9	m	1	1	Ŋ	9	П	4	1		1	9
Classing Office Total	468	454	251	20	151	454	468	117	339	73	108	259	433
Area	1,447	1,322	819	142	365	1,288	1,227	352	983	91	230	296	1,142
1/ Combination bur extractor and stick and green leaf machine. 2/ Includes all other seed cotton cleaning equipment such as impact and incline cleaners, after cleaners,	und stic	stick and gr	green leaf equipment s	f machine such as	le.	and ir	ncline	cleaners, a	fter c	leaners,	etc.		

Includes all other seed cotton cleaning equipment such as impact and incline cleaners, after cleaners, etc.

Table 13. Number of cotton gins and gin batteries, distribution of batteries by volume ginned, and ginning capacity, by classing office and Western Area, July 1967

Paso Classing Office	No. 11 33 33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 1 2 0 0 N	1,501 2,500 No. 8 8 6 4 4 4 4	- 0	5,001 10		9	Bales	hon	
Gins Laries Single Double No. No. No. No. 18 19 17 1 11 12 10 1 21 24 18 3 9 9 9 9 10 21 17 2 2 2 2 2 47 53 49 5 16 16 16 16 115 137 97 15 103 127 85 14	No uble	Noon I I I I I I I I I I I I I I I I I I	No. 18 8 8 4 4 4 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				9	רו טו		
No. No. <th></th> <th>ž </th> <th>No. 88 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8</th> <th>No.</th> <th></th> <th>over less</th> <th></th> <th>77</th> <th>-15 16-20</th> <th>21 and over</th>		ž	No. 88 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	No.		over less		77	-15 16-20	21 and over
18 19 17 1 21 24 18 3 6 6 6 - 9 9 9 - 68 73 63 5 2 2 2 - 26 30 30 - 47 53 49 2 98 99 97 1 16 16 16 - 114 115 113 1 103 127 85 14	HHMIIIM WIIW		8044119	9	No.	No. N	No. N	No. No.	No.	No.
18 19 17 1 21 24 18 3 6 6 6 6 - 9 9 9 9 - 22 2 2 2 2 2 2 2 26 30 30 - 47 53 49 2 7 16 16 16 - 114 115 113 11 103 127 85 14	HHMIIIM WIIW		D 0 4 4 1 1 0	٥				(
11 12 10 1 21 24 18 3 6 6 6 6 - 9 9 9 9 - 19 21 17 2 2 2 2 2 26 30 30 - 47 53 49 2 16 16 16 - 114 115 113 1 103 127 85 14	שווו מווו מר		044119	,	1 :			T.T.	1	
21 24 18 3 6 6 6 - 9 9 9 9 - 19 21 17 2 2 2 2 2 26 30 30 - 47 53 49 2 16 16 16 - 114 115 113 11 103 127 85 14	טווו מווו מ		44119	4	-	1		9	1	ı
6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	11110 0110		4112	14	Н	1	9	16	2	ı
9 9 9 3 3 3 3 3 68 73 63 5 2 2 2 2 2 26 30 30 47 53 49 2 16 16 16 114 115 113 11 103 127 85 14			52 1 1	1	1	1	N	4	1	1
3 3 3 3			52	7	П	,	,	9	m	1
68 73 63 5 2 2 2 2 26 30 30 - 47 53 49 2 98 99 97 1 16 16 16 - 114 115 113 1 103 127 85 14			22	m	1	1	1	m	1	ı
19 21 17 2 26 30 30 - 47 53 49 2 98 99 97 1 16 16 16 - 114 115 113 1 103 127 85 14				34	m	ı	20	48	ro I	1
19 21 17 2 2 2 2 2 26 30 30 47 53 49 2 98 99 97 1 16 16 16 114 115 113 1 103 127 85 14										
26 2 2 2 2 2 2 2 2 2 2 2 30 30 30 30 30 30 30 30 30 30 30 30 30			വ	11	2	ı	11	10	1	1
26 30 30 - 47 53 49 2 98 99 97 1 16 16 16 - 114 115 113 1 115 137 97 15			1	1	,	,	N	1	1	1
47 53 49 2 98 99 97 1 16 16 16 - 114 115 113 1 115 137 97 15 103 127 85 14			13	12	7	1	D	21	4	٠
98 99 97 1 16 16 16 - 114 115 113 1 115 137 97 15 103 127 85 14		7	19	23	m	1	18	31	4	1
98 99 97 1 16 16 16 - 114 115 113 1 115 137 97 15 103 127 85 14										
114 115 113 1 115 137 97 15 103 127 85 14		7		Ĺ	70		-	C C	00	
16 16 16 114 115 113 1 115 137 97 15 103 127 85 14	1	1 1	1 1	4	40	ı	-1 L			1
114 115 113 1 115 137 97 15 103 127 85 14			_				12			•
115 137 97 15 103 127 85 14	Н	1 12	21	47	34	ı	16	99	29 4	
115 137 97 15 103 127 85 14										
103 127 85 14	٦	7 12	20	62	36		9	84	42 3	2
103 127 85 14										
		2 3	29	54	33	9	ı	63	47 16	Н
El Centro Classing Office		c.	m	100	œ	ı	1	10	15 4	Н
))) 1			_	•	•	8
V Gins 11			1 2	1 2	מו	Н	1	6	-	ч
Classing Office Total 38 42 34 4	4	4 2	Ŋ	17	13	٦	-1	19	16 4	2
			211	100	000	1			70 01	L.
Area 485 547 441 41 /		1/ 48	110	23/	777	_	7 10	311	143 27	

1/ Includes one gin in Fresno territory with four batteries and one in Bakersfield territory with fiv 2/ Includes one gin in Nevada.

Table 14. Cotton gin batteries and number of batteries by gin stands, automatic bulk feed control and by drying and lint cleaning stages, by classing office and Western Area, July 1967

	l a	4 or	No.	1	1	1	'	1	'	2		•	•	•	1		7	1	7			D.		'	1	1	- 300	14
	Stages of	8	No.	10	1	8	1	4	1	22		6	1	10	19		30	1	30	C C	4	33		2	1	1	2	161
	Stages nt cle	2	No.	ω	D	12	m	4	m	35		12	E	20	32		26	11	67	מ)	98		25	-	11	37	342
50		1	No.	1	<u>m</u>	4	2	1		0		1	1	T	1		9	S	11			m		1	1		1	23
gin batteries having	Lint	clean-	No.	19	8	24	D	0	m	89		21	1	30	51		66	16	115	727		127		30	7	11	42	540
ries	H				1	1		1	,			1 ,	,					-		,							7	
atter	drying	4 or more	No.			·						-			CI				1			-		1				4
gin b	of dr	0	No.			7		-		n		7			12		14	1	14	0,0		13		7	1	-	7	92
Jo	Stages	2	No.	IJ	10	11	N	9	1	29		6	1	17	26		(1)	П	9	7.0	ò	104		27	1	11	38	344
Number	St	1	No.	13	9	11	4	2	m	39		4	N	7	13		26	14	9	_	1	6		2	1	1	m	105
	Seed	cotton	No.	19	11	23	9	0	ო	71		21	N	30	53		66	16	115	137	2	127		30	7	11	42	545
		control control	No.	10	10	12	m	D.	N	42		D	2	12	19		78	13	16	727		125		30	1	11	42	456
	Auto		ZI															1										
	oer Jer	6 or	No.	1	12	•	N		m	21			N	1	2		4	16	20		+	12		'	1	1	1	69
1	by number stands	D	No.	13	1	Φ	1	4	1	25		13	11	6	22		62	1	65	0 0	3	88		15	1	0	24	319
		4	No.	m	1	6	1	2	1.	14		7	1	14	21		13	1	13	00)	13		0	П	7	11	92
	Batterles of gin	m	No.	1	1	2	-	m	1	10		٦	1	4	D		13	1	13	1		12		4	1	٦	D	52
1	Ра	2 or less	No.	٦	1	2	1	1	1	m		1	1	m	n		4	•	4	-	4	N		N	1	1	~	15
	rotal	bat- terles	No.	19	12	24	9	6	m	73		21	2	30	23		66	. 16	115	751	2	127		30	1	11	42	547
	Classing Office	Western Area	Doer Classifice Office	Texas Saw Gins	Texas Roller Gins	New Mexico Saw Gins	New Mexico Roller Gins	Artzona Saw Gins	Arizona Roller Gins	Classing Office Total	Carlsbad Classing Office	Texas Saw Gins	Texas Roller Gins	New Mexico Saw Gins	Classing Office Total	Dhooniy Closeing Office	Arlzona Saw Gins	Arizona Roller Gins	Classing Office Total	Fresno Classing Office	מייי מיייי	Bakersfield Classing Office California saw gins 1/	El Centro Classing Office		California Roller Gins	Arizona Saw Gins	Classing Office Total	Area

1/ Includes one gin in Nevada.

Cotton gin batteries with specified kinds of equipment, by classing office and Western Area, July 1967 Table 15.

						Number	of	gin batteries	s having	ng			
Drog Orbano	Total	See	ed cotton	cleaning	1	equipment				ther	equipment	nt	
viassing Oillee and	gin bat-	Bur	Stick & green	Combi-		Green	Other	Seed cotton	flow	d	Mots-	Moisture restor-	System to add chem-
Webvern Area	teries	tractor	leaf machine	1/	Magner	trap	2/	under d1str1butor	by-	sampler	meter	ation	seed cotton
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
El Paso Classing Office	19	0	2	a	4	17	19	-	16	, 1	וו	9	(1)
	12	-	7	1 7	4	10	11		11		0	, ,	
New Mexico Saw Gins	24	6	13	4	11	20	20	t	13	2	18	7	ı –ı
New Mexico Roller Gins	9	2	S	1	က	ന	Ŋ	1	9	1	D	2	. 0
Arizona Saw Gins	6	4	7	1	1	7	7	Н	8	1	7	9	
Arizona Roller Gins	m	П	-	1	ı	m	m	ı	m	1	2	1	1
Classing Office Total	73	32	46	00	23	28	65	2	27	n	21	22	Ŋ
Texas Saw Gins	21	16	18	1	9	20	20	100	21	1	15	12	8- 08
Texas Roller Gins	2	Н	2	1	2	2	2	1	2	1	2	1	1
New Mexico Saw Gins	30	19	16	10	12	26	30	4	27	1	16	14	- 8
Classing Office Total	23	36	36	П	50	84	25	4	20	1	33	27	í
20 00 00 00 00 00 00 00 00 00 00 00 00 0													
Arizona Saw Gins	66	76	42	13	31	94	16	20	74	10	44	18	
Arizona Roller Gins	16	9	9	011	4	12	m	0	14	1	m		
Classing Office Total	115	85	48	13	35	106	19	29	88	10	47	18	
Fresno Classing Office													
California Saw Gins	137	85	46		67	23	137	522	114	32	121	14	
Balranefleld Massing Office													
California saw gins 3/	127	52	54	2	51	22	127	ω	119	35	79	23	~
1 500 Extraor Control													
California Saw Gins	30	15	10	4	6	28	30	80	25	15	26	11	14
California Roller Gins	П		1	1		1	2		1	•		•	
Arizona Saw Gins	11	m	2	9	1	O	11	2	ω	4	11	2	4
Classing Office Total	45	18	13	10	10	38	43	10	34	19	37	13	18
											TRUNT-	Tant.	SPECIAL STREET
												Man and a second	100 100
Area	547	305	243	34	206	360	443	138	462	66	368	117	25
$\frac{1}{2}$ Combination bur extractor and stick and graph Includes all other seed cotton cleaning eq	ind stick	and gre	een leaf machine	machine uch as	Impact	and In	line	machine. such as impact and incline cleaners, after cleaners,	ifter (leaners	, etc.		
3/ Includes one gin in Nevada.													



